

### ABSTRACT OF THE DISCLOSURE

Anti-resorptive bone cements, comprising an anti-resorptive amount of one or more anti-resorptive agents, preferably the anti-resorptive agent is a bisphosphonate. The anti-resorptive bone cements are useful for reducing bone voids and bonding prosthetic devices to bone. The invention also relates to anti-resorptive allogeneic, autografic, and xenografic bone grafts, which bone grafts comprise an anti-resorptive amount of an anti-resorptive agent such as a bisphosphonate. The anti-resorptive bone grafts are useful for reconstructive bone surgery.

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